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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process for preparing 4-chloro-3-hydroxybutyronitrile of formula:

,-comprising the step of

1) reacting epichlorohydrin of formula:

with a cyanide of formula:

$$M(CN)_n$$
 (3),

, wherein M is a cation, and n is an integer of 1 to 3,

under the condition of pH ranging from 7 to 8, to form the 4-chloro-3-hydroxybutyronitrile of formula (4).

2. (currently amended): A process for preparing 4-chloro-3-hydroxybutanoic acid ester of formula:

, wherein R is C_{1-4} alkyl,

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comprising the step of

2a) dissolving 4-chloro-3-hydroxybutyronitrile of formula:

in an alcoholic solvent, and then, reacting it with hydrogen chloride, or

2b) reacting the 4-chloro-3-hydroxybutyronitrile of formula (4) in an alcoholic solvent saturated with hydrogen chloride,

to form the 4-chloro-3-hydroxybutanoic acid ester of formula (1).

3. (currently amended): A process for preparing 4-chloro-3-hydroxybutanoic acid ester of formula:

, wherein R is C₁₋₄alkyl,

comprising the step of

2a) dissolving 4-chloro-3-hydroxybutyronitrile of formula:

in an alcoholic solvent, and then, reacting it with hydrogen chloride, or

2b) reacting the 4-chloro-3-hydroxybutyronitrile of formula (4) in an alcoholic solvent saturated with hydrogen chloride,

to form the 4-chloro-3-hydroxybutanoic acid ester of formula (1)as defined in Claim-2,

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comprising the steps of:

1) reacting epichlorohydrin of formula:

with a cyanide of formula:

$$M(CN)_n$$
 (3),

, wherein M is a cation, and n is an integer of 1 to 3,

under the condition of pH ranging from 7 to 8, to form the 4-chloro-3-

hydroxybutyronitrile of formula (4) and n are each as defined in Claim 1,

under the condition of pH ranging from 7 to 8, to form 4-chloro-3-hydroxybutyronitrile of formula:

$$CI \xrightarrow{OH} CN_{(4); and}$$

- 2a) dissolving 4-chloro-3-hydroxybutyronitrile of formula (4) in an alcoholic solvent, and then, reacting it with hydrogen chloride, or
- 2b) reacting 4-chloro-3-hydroxybutyronitrile of formula (4) in an alcoholic solvent saturated with hydrogen chloride, to form the 4-chloro-3-hydroxybutanoic acid ester of formula (1).
- 4. (currently amended): The process of Claim 1-or-3, wherein the pH is adjusted in the range of 7.3 to 7.8.

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5. (currently amended): The process of Claim 1-or 3, wherein the pH is adjusted by adding an inorganic acid to the cyanide solution, and then, epichlorohydrin is added thereto.

- 6. (original): The process of Claim 5, wherein the inorganic acid is selected from the group consisting of hydrochloric acid, nitric acid, sulfuric acid, sulfonic acid, and phosphoric acid.
- 7. (original): The process of Claim 6, wherein the inorganic acid is sulfuric acid or concentrated hydrochloric acid.
- 8. (currently amended): The process of Claim 1-or 3, wherein the cyanide is sodium cyanide or potassium cyanide.
- 9. (currently amended): The process of Claim 2-or 3, wherein the alcoholic solvent is methanol or ethanol.
- 10. (currently amended): The process of Claim 2-or 3, wherein the hydrogen chloride is anhydrous hydrogen chloride gas.
- 11. (currently amended): The process of Claim 2-or 3, wherein the weight-by-weight ratio of the alcoholic solvent to 4-chloro-3-hydroxybutyronitrile is in the range of 1.5:1 to 2.5:1.
- 12. (currently amended): The process of any one of Claims 1 to 3Claim 1, wherein epichlorohydrin or 4-hydroxybytyronitrile has optical activity.
- 13. (new): The process of Claim 3, wherein the pH is adjusted in the range of 7.3 to 7.8.

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14. (new): The process of Claim 3, wherein the pH is adjusted by adding an inorganic acid to the cyanide solution, and then, epichlorohydrin is added thereto.

- 15. (new): The process of Claim 3, wherein the cyanide is sodium cyanide or potassium cyanide.
- 16. (new): The process of Claim 3, wherein the alcoholic solvent is methanol or ethanol.
- 17. (new): The process of Claim 3, wherein the hydrogen chloride is anhydrous hydrogen chloride gas.
- 18. (new): The process of Claim 3, wherein the weight-by-weight ratio of the alcoholic solvent to 4-chloro-3-hydroxybutyronitrile is in the range of 1.5:1 to 2.5:1.
- 19. (new): The process of Claim 2, wherein epichlorohydrin or 4-hydroxybytyronitrile has optical activity.
- 20. (new): The process of Claim 3, wherein epichlorohydrin or 4-hydroxybytyronitrile has optical activity.